FORM PTO 1449 (modified)

Date Submitted to PTO:

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)

2,133,182

1/73

8/79

ATTY DOCKET NO. DONO1 P-946

APPLICATION NO.

APPLICANT

KENNETH SCHOFIELD, ET AL.

FILING DATE

GROUP

			U.S. PATENT DOCUMENTS			
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
WS	3,601,614	8/71	Platzer, Jr.	250	214	
	3,612,666	10/71	Rabinow	359	604	
	3,665,224	5/72	Kelsey	307	311	
	3,680,951	8/72	Jordan	359	606	
	3,746,430	7/73	Brean	359	604	
	3,807,832	4/74	Castellion	359	267	
	3,811,046	5/74	Levick	250	206	
	3,813,540	5/74	Albrecht	250	214	
į.		FC	DREIGN PATENT DOCUMENTS			
ns	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
,	0,426,503	5/91	Europe			
	0,492,591	7/92	Europe			
	2,513,198	3/83	France			

**Germany** 

**Germany** 

2,808,260 OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**EXAMINER** 

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FORM PTO 1449 (mo			ATTY DOCKET NO. DONO1 P-946	APPLICATION NO.	04	975,232			
PAT	<ul> <li>DEPARTMENT OF COMMERC</li> <li>TENT AND TRADEMARK OFFIC</li> <li>REFERENCES CITED BY APPLIC</li> </ul>	Œ	APPLICANT KENNETH SCHOFIELD, ET AL.						
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l			U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
w	3,862,798	1/75	Hopkins	359	38				
	3,962,600	6/76	Pittman	315	158	; 			
	3,986,022	10/76	Hyatt	250	203				
	4,161,653	7/79	Bedini	250	215				
	4,200,361	4/80	Malvano	359	38				
	4,249,160	2/81	Chilvers	340	902	,			
	4,266,856	5/81	Wainwright	359	606				
V	4,281,898	8/81	Ochiai	359	606				
		FC	DREIGN PATENT DOCUMENTS						
_	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT			
M	3,041,612	11/80	Germany						
	3,041,692	5/81	Germany						
	4,118,208	11/91	Germany			······			
	5,630,305	8/79	Japan						
1.	57-173801	10/82	Japan			·			
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO 1449 (mod	lified)  DEPARTMENT OF COMMERC	TE	ATTY DOCKET NO. DONO1 P-946	APPLICATION NO	1975,	232		
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	-		U.S. PATENT DOCUMENTS					
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	CLASS	SUBCLASS	FILING DATE			
45	4,443,057	4/84	Bauer	359	606			
	4,491,390	1/85	Tong-Shen	359	39	· · · · · · · · · · · · · · · · · · ·		
	4,512,637	4/85	Ballmer	359	275			
	4,529,275	7/85	Ballmer	359	265			
	4,529,873	7/85	Ballmer	250	201			
	4,572,619	2/86	Reininger	359	254			
	4,580,875	4/86	Bechtel	359	604			
$\forall$	4,603,946	8/86	Kato	359	38			
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
uf	57-208530	12/82	Japan					
	57-208531	12/82	Japan		>			
	58-19941	12/82	Japan					
	61-56638	4/86	Japan		. >			
4	61-54942	4/86	Japan		>	·		
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
(M)	4,614,415	9/86	Hyatt	354	354			
	4,623,222	11/86	Itoh	359	38			
	4,629,941	12/86	Ellis	315	153			
	4,632,509	12/86	Ohmi	359	38			
	4,669,825	6/87	ltoh	359	38			
	4,669,826	6/87	ltoh	359	604			
	4,671,615	6/87	Fukada	359	38	ŧ		
V	4,672,457	6/87	Hyatt	348	761			
		FO	REIGN PATENT DOCUMENTS		<del></del>			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
nf	3,284,413	12/91	Japan					
	417,386	4/92	Japan					
	1,535,182	12/78	UK			····		
	2,029,343	3/80	UK					
4	2,119,087	11/83	UK			·		
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M	4,676,601	6/87	Itoh			358	38	
	4,690,508	9/87	Jacob		<u></u>	359	38	
	4,697,883	10/87	Suzuki		359	604		
	4,701,022	2 10/87 Jacob				359	603	
	4,727,290	2/88	/88 Smith				82	
	4,741,603	5/88	Miyagi 359				270	
	4,793,690	12/88	Gahan 359				604	
$\sqrt{}$	4,820,933	4/89	Hong			307	10.1	
		FO	REIGN PATENT DOCUM	ENTS				
	DOCUMENT NUMBER	DATE	COUNTRY			CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
M	2,137,373	10/84	UK					
	2,156,295	10/85	UK					
	59-51325	4/84	Japan				->	
	59-51301	4/84	Japan					
	60-212730	10/85	Japan			<u> </u>		
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	e several sheets if necessary		FILING DATE (O)H	372					
			U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE			
M	4,838,650	6/89	Stewart	359	604				
, ,	4,886,960	12/89	Molyneux	250	206				
	4,896,030	1/90	Miyaji	250	206				
	4,916,374	4/90	Schierbeek	318	483				
	4,917,477	4/90	Bechtel	359	267				
	4,956,591	9/90	Schierbeek	318	483	<u> </u>			
	4,991,054	2/91	Walters	361	165				
W	5,012,082	4/91	Watanabe	250	208				
		F	OREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT			
ul	60-166651	11/85	Japan						
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO 1449 (mod U.S.	lified)  DEPARTMENT OF COMMERC	Œ	ATTY DOCKET NO DONO1 P-946	APPLICATION NO	9/97	5,232			
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			U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE			
M	5,055,668	10/91	French	250	208	···			
	5,064,274	11/91	Alten	359	604				
	5,148,014	9/92	Lynam	359	602				
	5,168,378	12/92	Black	359	38	<del></del>			
	5,193,029	3/93	Schofield	359	604	····			
	5,204,778	4/93	Bechtel	359	604				
	5,550,677	8/96	Schofield	359	604				
	5,253,109	10/93	O'Farrell	359	604				
		F	OREIGN PATENT DOCUMENTS		<del></del>				
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M	48506	6/85	Europe		>				
4	48810	10/88	Europe						
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fied)	-	ATTY DOCKET NO. DONO1 P-946	APPLICATION	Nº09/9	75,230			
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		U.S. PATENT CÓCUMENTS						
DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE			
5,537,003	7/9\$ (	Bechtel	315	82				
3,708,231	1/73	Walters	356	149	-			
5,760,962	6/98	Schofield et al.	359	604				
5,877,897	3/99	Schofield et al.	359	604				
4,974,078	11/90	Tsai	358	133				
5,848,802	12/98	Breed et al.	280	735				
5,416,318	5/95	Hegyi	250	226				
5,796,094	8/98	Schofield et al.	250	208.1				
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	DEPARTMENT OF COMMERCANT AND TRADEMARK OFFICE SERVICES CITED BY APPLIC Several sheets if necessary Proc.  DOCUMENT NUMBER  5,537,003  3,708,231  5,760,962  5,877,89.7  4,974,078  5,848,802  5,416,318  5,796,094  DOCUMENT NUMBER	DEPARTMENT OF COMMERCE NT AND TRADEMARK OFFICE  FERENCES CITED BY APPLICANT(S) several sheets if necessary)  PTO:    DOCUMENT NUMBER   DATE	DONO1 P-946 APPLICANT KENNETH SCHOFILE FERENCES CITED BY APPLICANT(S) several sheets if necessary)  PTO:  U.S. PATENT COCUMENTS NAME  DOCUMENT NUMBER  DATE  NAME  5,537,003  7/93  Bechtel  3,708,231  1/73  Walters  5,760,962  6/98  Schofield et al.  5,877,897  3/99  Schofield et al.  4,974,078  11/90  Tsai  5,848,802  12/98  Breed et al.  5,416,318  5/95  Hegyi  5,796,094  8/98  Schofield et al.  FOREIGN PATENT DOCUMENTS  DOCUMENT NUMBER  DATE  COUNTRY	DONO1 P-946   APPLICANT   APPLICANT   APPLICANT   KENNETH SCHOFIELD, ET AL.	DONOL P-9.46  APPLICANT FERENCES CITED BY APPLICANTIS) Serveral shares if necessary  OTO:  DOCUMENT NUMBER  DATE  DATE  DOCUMENT NAME  CLASS  SUBCLASS  SUBCLASS  149  S,760,962  6/98  Schofield et al. 359  604  4,974,078  11/90  Tsai  358  133  5,848,802  12/98  Breed et al.  280  735  5,796,094  8/98  Schofield et al. 250  208.1  FOREIGN PATENT DOCUMENTS  DOCUMENT NUMBER  DATE  COUNTRY  CLASS  SUBCLASS  SUBCLASS  CROUP  CROUP			

Sheet 8 of 9

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (Rev. 2-32)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. DON01 P-946

SERIAL NO

APPLICANTS: Kenneth Schofield et

al.

FILING DATE 07 GROUP

## U.S. PATENT DOCUMENTS

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EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
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## FOREIGN PATENT DOCUMENTS

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## OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

	IINER TIAL	
Au	*	Commonly assigned co-pending U.S. application Ser. No. 09/599,979, filed Jun. 22, 2000, entitled VEHICLE RAIN SENSOR USING IMAGING SENSOR (DON01 P-816).

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EXAMINER	SHOER	DATE CONSIDERED	15/02
EXAMINER:	Initial if citation considered, whether	or not citation is	in conformance

with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

Sheet 9 of 9